Secrt. II-27—39,004—24-10-44.

Despatch (194) Department

MS SERIES

G.O. No. 92. 102

Dated 7th January, 1946. 7-1-46

[Despatch Abstract.]

INDUSTRIES - Sericulture - Kollegal silk filatens - Kollegal - Additional Latrine of septic tank type with flushout seats - Construction of - Expenditure Sanctioned.

C.F.S.S. (G).

Industries and Commerce DEPARTMENT.

In any reply please quote the number, date and short title.

Received ..... *Registered* .....

745

From (Name) A. Khaleeli, Esq., I.C.S.,

(Designation) Director of Industries & Commerce

Post Box ....., (Station) Madras.

Telegraphic Address .....

UNDER SECRETARY 21 DEC 1945 DEVELOPMENT DEPARTMENT

To

The Secretary to Government,
Development Department, Madras.

D.5. *No.* 1350-45/Cons, *dated* 26th November 19 45.
19-12-45

Sir,

Sub: Industries - Sericulture - Kollegal Sil Filatures, Kollegal - Additional Latrine of septic tank type with flush out seats - Construction of - Sanction - requesting.

ENCLOSURES
Plan & estimate
1 / 2 sets & bds

SPARE COPIES

V.B.15 of Factory Manual

In accordance with the provisions of section 20 of the Madras Factories Act and th Rules framed thereunder the Assistant Inspectress of Factories, has suggested that the women workers in the Kollegal Silk Filatures, Kollegal be provided with additional latrine accommodation and that the existing number of seats in the factory be increased by seven more seats so as to make up a total of 16 seats. The District Health Officer, Coimbatore has, when consulted, recommended in pursuance of the Government's present policy, the construction of flush out latrines with septic tank type disposal. A blue print copy of type design for a septic tank latrine was therefore obtained from the Sanitary

Engineer to Government and necessary plan and estima for the construction of the additional latrine of septic tank type with seven seats have been got prepared by Industrial Engineer and are enclosed herewith. The estimated cost of the work is Rs. 3070/-

I request that Government may be pleased to issue orders sanctioning the construction of the additional latrine of the septic tank type for the Kollegal Silk Filatures, Kollegal at a cost not exceeding Rs. 3070/-

The expenditure is debitable to 85.A - Capital Outlay on Provincial schemes connected with war, 1939 C. Other Miscexxllaneous Schemes - G. Kollegal Silk Filatures, Kollegal.

for Director of Industries & Commerce.

CVG-3.12.

ABSTRACT ESTIMATE. DETAILED MEASUREMENT

Name of work:- Construction of Septic Tank Latrine in Kollegal Silk Filatures, Kollegal.

Details of work	No.	Measurement in ft. Length	Breadth	Depth	Area or Content	Total
(1) (2)	(3)	(5)		(6)	(7)	(8)
I. LATRINE OF SEVEN SEATS.						
1. Earth work excating roundation in hard soil etc.						
Main walls all round ...	1	51-9	2-0	2-6	259	
Below seat ...	1	18-6	3-4½	1-6	84	
Portion below watter seal chamber	1	4-4½	2-5¼	2-6	27	
	1	4-4½	2-5¼	3-3	34	
S t e p s ..	1	22-1½	1-3¾	0-6	15	
Below platform and R.C. funnel	1	2-6	0-10½	1-6	3	
Step at Fitting bucket ...	1	4-0	3-0	1-0	12	
For billers ...	2				9	

Total					443	

Deduct for:- portion occupied by side wall of latrine near water seal chamber.	1	3-9	1-4½	2-6	13	
					---	
et Total					430 or 45	
					---	
2. Concrete broken stone in lime mortar 1 : 2.						
Main walls allround ...		51-9	2-0	1-0	104	
Portion above water seal chamber		3-5¼	2-5¼	0-9	6	
-do ...		2-6	2-5¼	1-0	6	
-do- below water seal chamber		4-4½	2-5¼	0-9	8	
t e p s ...		22-1½	1-9¾	0-6	20	
Below platform and R.C. Funne		3-6	1-3¾	0-9	3	
Below steps of fitting bucket		4-0	3-0	0-9	9	
Allround cut stone post ...		4-6	2-6	2-0	9	
Below seat ...		19-4½	2-4½	0-6	23	
,, bottom ...	1	19-4½	1-6	0-4	10	
Extra for uneffected portion .					20	
Total					---	
					218	

Deductions: Portion of side wall occupied in water seal chamber			4-7½	1-0	6	
Piller portion at steps of fitting bucketx ...	1	1-6	1-0	0-9	1	
Deduction for: Squatting slate bottom	7	1-6 (a)	1-6 (a)	0-10	13	
					---	
otal					20	

Net Tota					98 or 200	
					---	
3. Concrete broken stone in cement mortar 1:3						
Below seat at pipe portion	1	19-4½	2-4½	1-0	46	
					---	
otal					46	
Deduction for Drain portio		19-4½	0-9	0-4½	5	

Net total						

(2)		(3)	(4)	(5)	(6)	(7)	
rickwork in lime mortar 1 : 2(with country bricks.							
Foundation and basement:							
Main walls allround	...	1	51-9	1-1½	3-0	175	
Steps bottom.	...	1	21-7½	1-6	0-6	16	
top 2nd footing	...	1	20-1½	0-9	0-6	8	
Below sea	...	1	19-4½	2-4½	0-9	35	
,, top	...	1	19-4½	0-9	0-6	7	
Wall allround water seal chamber less portion of main wall of the latrine	...	1	10-4½	0-9	2-1	16	
-do- Extra portion of wall		1	5-1½	0-9	0-9	3	
Allround funnel	...	1	2-6	1-3¾	2-3	7	
Steps near fitting bucket		1	3-0	2-0	1-0	6	
-do- -do-	...	1	2-3	2-0	2-3	10	
Superstructure. Main walls allround		1	51-9	0-9	6-9	262	
Extra portion rear	...	1	21-3	0-9	2-0	32	
Triangular portion sides		2	2-9/2	0-9	2-0	4	
Cross walls	...	6	2-9	0-4½	5-6	84	
	Total					---	
						625	

Deductions: Door way upto wall plate level	...	7	2-1½	0-9	6-9	75	
Honey comb work	...	9	2-0	0-9	1-6	20	
ut stone lintal	...	9	2-9	0-9	0-4	6	
Covering over drain at wall portion	...	2	1-6	1-1½	-4	1	
for Drain	...	1	20-6	0-9	-6	15	
Portion of funnel	...	1	1-6	0-9	-9	3	
	Total					---	
						120	

	Net Total					505 or 500	cft
Cut stone 2 lines dressed to size on all faces and fixed.							
Lintal over honey comb work		9	3-9	0-9	-4	6.19	
Cut stone piller for fitting bucket		2	0-6	0-6	-6	3.75	
-do- covering over drain at wall portion	...	2	1-6	1-1½	0-4	1.13	
	Total					----	
						11.07	11 c

Countrywood door ledged braced and planked etc.	...					7	7 Nos.
						--	
Brick Honey Comb work with plastering etc. (2-0-x 0-9 x 1-6)	...	9	2-0		1-6	27	27
	Total					--	
Country wood wrought and put up.							
Wall plate	...	1	22-9	0-3	0-3	1.42	
Bressummer	...	1	22-9	0-3	0-5	2.37	
Rafters @ 2'-0" c to c		10	6-6	0-2	0-3	2.71	

						6.50	or 7 cft
						----	
9. Roofing with mangalore tiles including countrywood reepers 2" x 1"		1	22-9		6-6	148	

	Total						0
10. Plastering with cement mortar 1 1/2" thick.							
Inside rear wall		1	19-9		8-6	168	
Front	...	14	0-2¼		7-0	18	
Sides	...	2	2-9		8½+6½/2	4	
Partition walls allround		6	2-9	11-4½		188	
Sides of pillers			0-9			71	

		(3)	(4)	(5)	(6)	(7)	
Outside rear wall	...	1	21-		9-0	91	
Sides	...	2	4-3		6½/2	66	
Front piller faces	...	3	0-9		3-6	29	
E n d s	...	2	0-11		3-6	11	
Basement allround	...	1	55-6		1-6	3	
Steps top	...	1	21-7½	1-6		2	
Sides of steps	...	2	1-6		0-6	2	
-do-	...	2	0-9		0-6	1	
-do- at	...	2	1-3¾		1-6	4	
Top	...	1	2-6	1-3¾		4	
Steps at Fitting bucket top		1	3-0	2-0		6	
Sides	...	2	3+0-9/2			2	
Rear and front	...	2	2-0			2	
Portion of wall at water seal chamber							
Outside allround	...	1	12-9			6	
Sides of drain inside	...	2	19-9			30	
	Total					937	
Deduction: Honey comb work		2 x 9	2-0			54	
	Net total					883	or 900
1. Providing 2" thick Cuddapah Slab covering	...	1	20-1½	2-0		40	
-do- over water seal chamber		1	3-8	4-6		15	
Partition wall in the water seal							
r	...	1	3-0		-6	8	
do- top covering		1	3-0	1-0		3	
						66	or 70 sft
2. Supplying and fixing 6" stone wire pipe connecting water seal chamber and septic tank including one T. piece	...	1	9-0			9	
-do- outlet	...	1	4-0			4	
	Total					13	13
3. Painting with gray paint 2 coats							
Door	...	7x2¼	2-3		5-3	186	
Bressummer exposed portion		1	16-4½	1-4		22	
Rafters	...	10	5-0	0-8			
Reepers	...	6	21-3	0-5			
	Total						or 300 sft
4. Providing fitting bucket 22 gallons capacity 22" Dr. x 2'-3" with fitting arrangements as in plan		1					1 No.
5. Providing R.C. Funnel as per plan		1					1 No.
6. No. R.C. squatting slate 2-4" x 2-4" as detailed in the plan		7					7 No.
7. Providing 4" Ventilating shaft with mosquitto fitting arrangements at top and light as per plan (3 pipes of 6 ft. each) ...							1 No
8. Constructing masonry ¼ bend drain in water seal chamber for connecting to latrine drain ...		1					1 No

(2)		(3)	(4)	(5)	(6)	(7)	
Constructing 4" Stone ~~wire~~ weave pipe connecting ventilator shaft and septic tank		6				6	6 ft.
~~Taring~~ Tarring inside front side latrine 2 coats for 3 feet height						L.S.	
Providing half pipes ~~x~~ 9" for drain						21	21 ft
Septic tank.							
Earthwork excavating foundation etc.							
Septic tank	...	1	20-0	7-6	8-3	1238	
Extra for partition wall	...	1	3-6	2-0	0-6	4	
Portion between water seal chamber and Septic tank	...	1	2-9	1-0	2-0	6	
Main hole	...	1	5-6	2-1½	3-0	35	
	Total					1283	or 1300 c/ft
~~Construction~~ concrete broken stone in lime mortar	...						
Septic tank	...	1	20-0	7-6	0-9	113	
Extra	...	1	3-6	2-0	0-6	4	
Below man hole	...	1	5-6	2-1½	0-6	6	
at pipe portion	...	1	3-6	2-0	0-6	4	
	Total					127	or 130 c/ft
Concrete broken stone in cement mortar 1 ; 3							
Septic tank	...	1	15-3	3-6	0-3	13	
	Total						20
Brick work in cement mortar 1 : 3							
Septic tank allround	...	~~45x0~~	45-0	1-6	5-6	371	
Top portion	..	1	43-6	1-1½	2-0	98	
at Man hole	..	1	9-0	0-9	2-6	17	
Partition wall	..	1	3-6	0-9	4-6	12	
	Total					498	
Deduction- pipe hole	...	2	1-1½	0-6	0-6	1	
						497	or 500
Providing R.C. baffle 3" thick		1	4-0		4-9	19	19 s.ft
Providing Cuddapah slab 2" thick. Top covering including manhole chamber		1	20-0	4-6		90	90 s.ft
Country wood wrought and put up Joists below to support the Cuddapah slab flooring		8	4-6	0-[illegible]	0-3	1.50	or 2 c.f
Plastering with cement mortar 1 : 3 1/2" thick.							
Floor	...		15-3	3-6		53	
All round wall	...	1	39-0		7-~~5~~3	283	
top of -do-	...	1	43-6	1-6		65	
-do- partition wall	...	1	3-6	9-3		32	
Man hole chamber inside	...	1	11-0		2-0	22	
	Total					455	or 500

(3) (4) (5) ( ) (8)

III. DISPERSION TRENCH (2 NOS.)

1. Earth work excavation in hard soil etc.,						
Dispersion trench ...	2	30-0	4-0	5-6	20	
-do- ...	2	5-0	1-0	2-0	20	
					--	
Total					40	
					--	
2. Filling of broken stone 2"ring	2	28-0	2-0	3-0	36	
Total					----	
					336	
Deduct for: Pipe 6" Dr.	2	28-0	0-6	0-6	14	

Net total					332	or 325
					----	
3. Sand encasing	2	30-0	4-0	5-0	00	
					--	
Deduct for metal filling	2	28-0	2-0	3-0	36	
					--	
Net tota					64	or 900
					----	cft.
4. Earth filling. Septic tank	1	17-0	10-0	0-6	85	
Trench ...	1	80-0	9-0	0-6	360	

Total.					445	or 450
					----	cft.
5. Turfing slopes. Septic tankportion	1	17-0	10-0		170	
-do- Trench	1	80-0	9-0		720	

Total					890	or 900
					---	
6. Providing 6" stome wape pipes	1	75-0			75	
					--	
Total						75
7. Pan tiles covering 1 ft. ...	2x10					20

ABSTRACT ESTIMATE.

Name of work: Construction of Septic Tank Latrine in Kollegal Silk Filature, Kollegal.

Quantities.	Particulars of work.	No.	Rate.	Per.	Amount	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	I. LATRINE OF 7 SEATS.		Rs. A.			
	Earthwork excavation foundation etc. etc.		15 10	1000-c.ft.	7	
200 ,,	2. Concrete broken stone in lime mortar 1:2		64 12	100 ,,	130	
50 ,,	3. -do- in cement mortar 1 : 3		109 0	,,	55	
500 ,,	4. Brick work in lime mortar 1 : 2		64 2	,,	321	
11 ,,	5. Cut stone 2 lines dressed to size on all faces and fixed		4 12	c.ft.	52	
7 Nos.	6. Country wood door ledged braced and planked etc. 2-3" x 5-3"		39 8	each	277	
27 s.ft.	7. Brick Honey Comb work with plastering 1 coat $\frac{3}{8}$" thick with lime mortar including white washing 2 coats		52 0	100 sq.ft.	14	
7 c.ft.			13	c.ft.	91	
150 ,,	8. Countrywood wrought and put up					
150 s.ft.	9. Roofing with Mangalore tiles including		52 0	100 s.ft.	78	

(1)	(2)	(3)	(4)	(5)	5
900 s.ft.	10. Plastering with cement mortar 1 : 3 x 1/2" thick		1 13	100 cft	100
70 ,,	11. Providing 2" thick Cuddapaha slal covering including dressing and fixing ...		0 8	s.ft.	35
13 Rft	12. ~~fixing~~ Supplying and fixing 6" stone-ware pipes connecting water seal chamber and septic tank		0	foot	39
300 Sft	13. Painting with gray paint 2 coats		10	100 s.ft.	23
1 No.	14. Providing tilting bucket 22 gals. capacity 22" dr. 2'-3" with tilting arrangements as per plan		5 0	each	25
1 No.	15. Providing R.C. funnel as per plan		5 0	,,	25
7 No.	16. R.C. Squatting slabs 2'-4" x 2'-4" as detailed in plan ...		30	,,	210
3 Nos.	17. Providing 4" ventilating shaft 6 ft. each with mosquitto fitting arrangements at top and 13 ft. higher as per plan ...		12 0	each pipe 6'	36
1 set	18. Constructing masonry 1/4 bend drain in water seal chamber ...				0
6 ft.	19. Supplying 4" Stoneware pipe connecting Ventilator shaft and septic tank		2 0	foot	12
L.S.	20. Taring inside and outside latrine for 3 ft. height		L.S.		8
21 ft.	21. Providing 9" half pipes for drain		4 0	foot	84
	22. Cartage for pipes etc. ...		L.S.		20
					1700

II. SEPTIC TANK.

1300 c.ft.	1. Earth work excavation foundation etc.	15	10	1000 cft	20 0
130 ,,	2. Concrete broken stone in lime mortar	64	12	100 ,,	84 0
20 ,,	3. -do- in cement mortar 1 : 3	109	0	,,	22 0
500 ,,	4. Brick in cement mortar 1 : 3	103	0		515 0
19 s.ft.	5. Providing R.C. Baffle slab 3" thick	0	8	s.ft.	10 0
90 ,,	6. Providing 2" cuddapah slab covering	0	8	,,	45 0
2 c.ft.	7. Country wood wrought and put up	13	0	c.ft.	26 0
500 s.ft.	8. Plastering with cement mortar 1 : 3 1/2" thick	11	13	100 s.ft.	59 0
3 Nos.	9 3 Nos. Stoneware specials Tees	10	0	each	30 0
L.S.	10. Painting wood work	L.S.			4 0
	Unforeseen.				5 0

III. DISPERSION TRENCH.

1350 c.ft.	1. Earth work in hard soil etc.	15	10	1000c.ft.	20 0
325 ,,	2. Filling with broken stone 2" ring	33	0	100 ,,	107 0
900 c.ft.	3. Sand encasing ...	7	10	,,	69 0
450 ,,	4. Earth filling ...	8	2	1000 ,,	4 0
900sq.ft.	5. Turfing slope ...	4	5	100 s.ft.	39 0
75 Rft	6. Providing 6" stone ware pipes	2	0	foot	150 0
20 Nos.	7. Pan tile covering 1 ft. including labour	L.S.			5 0
					394 0
	Unforeseen,				6 0
					400 0

Total of above 3 works — 1700+820+400 = 2920

Contingencies & petty supervision charges at 5% 146

3066 or Rs. 3070

ub: Industries - Sericulture - Kollegal Silk Filatures, Kollegal = Additi
Latrine of septic tank type with flush out seats - Construct
of - Expenditure - Sanctioned

Read: From the D.I & C, no. D.5 no. 1350-45/Cons d 26.11.45/19.12.4
Order no. 102 MS Dis d. 7.1.46

Sanction is accorded to ~~the sinking of~~ an expenditure not exceeding Rs 3,070/- (Rupees three thousand and seventy only) for the construction of an additional latrine of the septic tank type with seven seats for the use of the women workers at the Kollegal Silk Filatures, Kollegal.

The plans and estimate ~~relating to the work~~ submitted by the D.I & C. ~~in the~~ are approved.

2. The expenditure should be debited to "85 A. Capital outlay on Provincial Schemes (connected with the War, 1939 - C. other miscellan

Schemes – G. Kollegal Silk Filatures. The A.G. is authorised to admit the expenditure in audit, pending the provision of funds later.

The D.I.G. is requested to apply in due course for additional appropriation of funds required to meet the expenditure sanctioned above.

23/12/45

27/12/45

To A.S.

(approved by Secretary)

Please see the D.I.G's letter at ppl-2/c. Subject to orders, a draft order is submitted above for approval. It may be sent to P.W.D and Finance for acceptance

23/12/45 27/12/45

PWD (two)

(The work in question involves the use of RC on ~~the~~ for the reinforced concrete. See p 8/c. This may be allowed.) The draft order may be accepted and

To The D.I.G
" A.G. Hyderabad
Copy & S.F.

S.F.

Secret
Q.1 WB

Secret
79547 D/45-1
27.12.45

The file passed on to Finance

28-12-45 24-12-45

Works 7732 Cus 1

Finance (Accts)

29-12-45

S. SECRETARY TO G

81 DEC 1

FINANCE

9-10

2.1.46 The draft order on pp above may be accepted and the file returned to Devt,

~~subject to the following remarks~~.

Out of the estimated cost of Rs. 3070, the II Imp 874 Cost for the Septic tanks is about Rs. 820. ~~It was decided~~ Ordinarily the septic tank type latrine would seem extravagant for Collegal. As however the latrines are to be flush out and the provision of Septic tanks (for flushing) may be allowed

2.1.46

Devt

Finance 61651 Accts/51

3.1.46.

UNITED SECRETARY

3 - JAN 1946

DEVELOPMENT DEPARTMENT

2.1.46

D/46

To [illegible]

The Staff side as per above they were now -

9-10

Sd/- S. G. 5/1.46

3/1/46

Issued as Co. no. 102 (HQ) Dev'd 1-1-46 pp 9-10 abm